



45JW90

Imaging 600A True RMS AC/DC Clamp Meters with IGM

- Frequency counter: 60 kHz
- Smart diode with disable
- Inrush current
- LoZ
- Variable-frequency drive (VFD) low-pass filter
- 60 Hz frequency calibration

2-in-1 testers have a built-in thermal imager that uses Infrared Guided Measurement (IGM) and a laser pointer with crosshair to pinpoint potential electrical

problems and capture center-point temperature readings. The narrow jaw and built-in worklights help you enter tight or dark locations. Both models include CAT IV silicon test leads and AAA batteries. CAT IV 600V. 444M26 can also datalog and store 10 sets of 40,000 scalar measurements and 100 images. Bluetooth connectivity for easy transfer to a PC and direct connection to FLIR Tools.



Jaw Cap.	Max. AC/DC Amps	Max. AC/DC Volts	Max. Ohms	Capacitance	Temp. Range	Battery Type	Std.	Mfr. Model	Item No.
Clamp Meter									
1.4 in (36 mm)	600	1,000 V	6,000	1,000 uF	-4° to 302°F	AAA	CE, CUL, FCC	CM174	45JW90
Wireless Clamp Meter Module									
1.3 in (33 mm)	600	1,000 V	6000	1,000 uF	14° to 302°F	AA	CE, cULus	CM275	444M26



22UL78

Clamp Meters with IR Thermometer

Commercial-grade electrician's 1000A meters also provide noncontact infrared temperature measurements on vents, equipment, and motors. Measure voltage, resistance, frequency, AC/DC current, and capacitance, with min./max./avg., rel., data hold, and peak hold. LCD shows results, or stream them to a compatible mobile device with the free FLIR Tools Mobile App. Readings also can be transmitted directly to a FLIR METERLINK-enabled thermal imaging camera (see page 607). CAT IV 600V, CAT III 1000V safety rating. Each includes test leads and battery. 22UL79 includes calibration certificate.



Max AC/DC Amps	Max AC/DC Volts	Resistance (ohms)	Temp. Range	Wireless Range	Mfr. Model	STANDARD Item No.	NIST Item No.
1,000	1,000	40M	IR -20 to 518°F, Type K -4 to 1400°F	100 ft.	CM78	22UL78	22UL79



1GUH4



5LUT4



2HPF7



40GT06



40GT09

Clamp Meters **EXTECH** INSTRUMENTS **FLIR**

1000A SERIES INDUSTRIAL

These tough meters have a built-in noncontact infrared thermometer and allow you to locate hot spots and overheating motors. All models have peak hold to capture inrush current and transients. Include Type K bead wire probe, belt holster, 9V battery, and soft carrying case. 4GGD9 and 4GGE1 also include professional test lead kit.

HIGH CURRENT—1500A AND 2000A

High-capacity models support a variety of measuring functions and feature true RMS sensing. Each includes test leads and 9V battery. 5LUT4 and 5LUT5 also include case.

HIGH CURRENT—3000A FLEX CLAMPS AND ADAPTERS

True RMS 3000A AC flex clamps are designed with a 0.3" (7.5mm) dia. coil to take measurements in tight or awkward spaces. Inrush current (100ms) for equipment startup spikes. Bright LED work lights provide easy navigation. Datalog up to 20,000 points for trend analysis. Bluetooth communication for remote viewing and data transfer to mobile devices via FLIR Tools Mobile App.

40GT09 and 40GT08 flex clamp adapters plug directly in any meter with standard banana plug inputs and 1 mV range to convert it into a 3000A clamp meter.

AC Response	Max. AC Amps	Max. DC Amps	Max. AC Volts	Max. DC Volts	Max. Ohms	Counts	Features*	Safety Rating	Mfr. Model	STANDARD Includes	Item No.	NIST Includes	Item No.
Extech													
1000A Series Industrial													
TRMS	1,000	1,000	1,000 V	1,000 V	40 megaohm	4,000	T, IR, F, C, P	CAT III 600V	EX830	Battery, Instructions, Soft Carrying Case, Test Leads, Type K Temperature Probe	1GUH4	Instructions, Soft Carrying Case, Test Leads	1GUK2
TRMS	1,000	1,000	1,000 V	1,000 V	40 megaohm	4,000	T, IR, F, C, P	CAT IV 600V	EX840	Belt Holster, Instructions, Professional Test Lead Kit, Test Leads	4GGD9	Belt Holster, Instructions, Professional Test Lead Kit, Test Leads	4GGE1
TRMS	1,000	—	600 V	600 V	40 megaohm	4,000	T, IR, F, C, P	CAT III 600V	EX820	Instructions, Soft Carrying Case, Test Leads	1GUH3	—	—
High Current 1500A and 2000A													
Average	200	200	—	—	—	2,000	—	CAT III 300V	MA120	Batteries, Instructions	2HPG3	—	—
TRMS	1,500	1,500	750 V	1,000 V	40 megaohm	4,000, 40,000	T, F, C, P, NCV	CAT IV 600V	MA1500	Battery, Instructions, Soft Carrying Case, Test Leads	5LUT4	Battery, Instructions, Soft Carrying Case, Test Leads	5LUT5
TRMS	2,000	400	1,000 V	1,000 V	40 megaohm	5,000	F, C	—	380926	Battery, Built In Stand, Instructions, Test Leads	2HPF7	Instructions, Test Leads	6RGJ8
FLIR													
High Current 3000A Flex Clamps and Adapters													
TRMS	3,000	—	—	—	—	3,000	—	CAT IV 600V	CM57	(2) AAA Batteries, 18 in Probe	40GT06	(2) AAA Batteries	49VT99
TRMS	3,000	—	—	—	—	3,000	—	CAT IV 600V	CM55	(2) AAA Batteries, 10 in Probe	40GT07	(2) AAA Batteries	49VT98
TRMS	3,000	—	—	—	—	—	—	Cat IV 600	TA72	(2) AAA Batteries, 10 in Probe	40GT09	—	—
TRMS	3,000	—	—	—	—	—	—	Cat IV 600	TA74	(2) AAA Batteries, 18 in Probe	40GT08	—	—

* C = capacitance, F = frequency, IR = infrared temp., NCV = noncontact voltage, P = peak hold, T = Type K temp.